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Ryan, C.G., C.A. Heinrich, E. van Achterbergh, C. Ballhaus and T.P. Mernagh, Microanalysis of ore-forming fluids using the scanning proton microprobe . . . 104 (1995) 182
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Trocellier, P., J.P. Gallien and C. Cachoir, Nuclear microprobe study of the leaching behaviour of sintered UO_2 in groundwater . . . 104 (1995) 547
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